

- Pages 10-12 of the amended claims as referenced above
- Page 13 of the abstract as filed in the PCT international application
- 7 sheets of drawings as filed in the PCT international application

Respectfully submitted,



Attorney for Applicant

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Date

Richard J. Streit, Reg. 25765
c/o Ladas & Parry
224 South Michigan Avenue
Chicago, Illinois 60604
(312) 427-1300

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C L A I M S

1. A device to be fitted on a vehicle wheel (1) of a predetermined size in order to increase the friction between the wheel and the road surface during winter conditions, comprising a belt (3) made substantially from textile material and intended to encircle the tread (4) of the wheel (1) and be held in place by means of flexible inner and outer side portions (5, 8) which, at least on the inner side of the wheel, is tightened by means of an elastic member (7), ^{and} characterized in that the internal circumference of the belt (3) is at least 4% larger than the largest circumference of the wheel (1).
2. A device according to claim 1, ^{wherein} ~~characterized in that~~ the internal circumference of the belt (3) is 4-10%, preferably 5-6% larger than the largest circumference of the wheel.
3. A device according to ^{claim 1} ~~one of the preceding claims~~, ^{wherein} ~~characterized in that~~ the outer side portion (8) is designed so as to prevent it from jumping over the wheel (1) to the inside thereof.
4. A device according to ^{claim 1} ~~one of the preceding claims~~, ^{wherein} ~~characterized in that~~ the outer side portion (8) is designed to cover substantially the outer side of the wheel (1) and ~~that it preferably is made of a netting material preferably comprising a PVC coated 1100 dtex polyester multifilament material and having a netting opening of 2-7 mm, preferably about 4 mm.~~
6. A device according to claim 3, ^{wherein} ~~characterized in that~~ the outer side portion (8) has at least one opening, the largest circumference (10) of ^{said} ~~such an~~ opening being less than 2.2 times the largest diameter of the wheel (1).

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^{claim 1}
 76. A device according to ~~one of the preceding claims,~~
^{wherein} ~~characterized in that~~ the outer side portion (8) is provided
 with radially extending straps (9).

^{claim 1}
 5 87. A device according to ~~one of the preceding claims,~~
^{wherein said} ~~characterized in that the~~ elastic member (7) comprises a
 rubber-elastic material which is covered by spinning about
 it, or is spun, woven or knitted together with, a substan-
 10 ^{said} ~~tially inelastic thread material, said thread material~~
 limiting the extensibility of ~~the~~ elastic member (7).

^{claim 1}
 98. A device according to ~~one of the preceding claims,~~
^{wherein said} ~~characterized in that the~~ belt (3) consists mostly of a
 textile material, ~~preferably a woven polyamide.~~

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 119. A device according to claim 8, ^{wherein} ~~characterized in that~~ the belt (3) comprises two layers of
 textile material, ~~which, preferably on one side,~~ ^{of which} is coated
 with a suitable plastic, ~~e.g. polyurethane rubber,~~ the two
 20 layers being arranged so that the plastic coatings contact
 one another.

^{claim 1}
 1210. A device according to ~~any one of claims 1-7,~~
^{wherein} ~~characterized in that~~ the belt (3) is of a multilayer
 25 construction, the outer surface comprising polyester multi-
 filament yarn oriented crosswise to the circumferential
 direction of the belt (3), ~~and preferably having a fineness~~
~~of about 1100 dtex,~~ the layer construction pattern
 preferably being 4-shed broken twill.

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^{of the belt}
 14 11. A device according to claim 8, ¹¹⁹ ~~wherein~~ ^{the inner layer of the}
^{multilayer construction is a different color than} ~~characterized in that the multilayer construction has an~~
~~inner layer of a colour different from that of an~~ ^{the} outer
 layer, ~~and preferably being made of a polyester or polyamide~~
 35 ~~multifilament material.~~

¹⁴
 1612. A device according to claim 11,

^{wherein}
~~characterized in that the outer and inner layers are interconnected by a common yarn system in said circumferential direction, preferably comprising a polyester multifilament of about 1100 dtex.~~

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^{claim}
18. A device according to ~~one of the preceding claims,~~
^{wherein}
~~characterized in that the inside of the inner side portion (5) is coated by a low friction coating, preferably a silicon polymer, butadiene rubber, neoprene rubber, PVC or similar polymer.~~

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14. A method for fitting a device ~~(2) according to one of the preceding claims~~ on a vehicle wheel (1), resting against a road surface, ~~in order to increase the friction between~~

15 the wheel and the road surface during winter conditions, ^{comprising the steps of:}
^{P providing a} ~~said device~~ comprising a belt (3) made substantially from

textile material and intended to encircle the tread (4) of the wheel (1) and be held in place by means of flexible inner and outer side portions (5, 8) which, at least on the inside of the wheel, is tensioned by means of an elastic member (7); ^{and P fitting} ~~characterized in that~~ the inner side portion (5)

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~~is fitted~~ over the tread (4) of the wheel (1) to the inside of the wheel along at least two thirds of the circumference of the wheel, preferably along as much as possible of that

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part of the circumference which does not rest against the road surface, ^{and P rotating} ~~whereupon the wheel (1) is rotated~~ by means of the vehicle, whereby the remaining part of the inner side portion (5) moves to assume its place on the inside of the wheel (1) and pulls the belt (3) in place along the tread (4) of the wheel.

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5. A device according to claim 4, wherein the outer side portion is made of a netting material, the material ^{being} comprising a PVC coated 1100 dtex polyester multifilament material having a netting opening of 2-7 mm.

10. A device according to claim 9, wherein ~~said~~ ^{said} textile material is a woven polyamide.

13. A device according to claim 12, wherein the polyester multifilament yarn has a fineness of about 1100 ~~dtex~~ dtex.

15. A device according to claim 14, wherein the layers are made of a polyester or polyamide multifilament material.

17. A device according to claim 16, wherein the said common yarn system ~~comprises~~ is made of a polyester multifilament having a fineness of about 1100 dtex.

19. A device according to claim 18, wherein said low friction coating is silicon polymer, butadiene rubber, neoprene rubber, PVC, or a similar polymer.